

the terminal from an external device to generate the second color data format or by accommodating in the memory section a removable memory storing the second color image data generated by the external device; and

wherein the processing section processes the second color image data in such a way that the color display section displays a color image corresponding to the second color image data generated by the external device.

--28. (New) The portable camera of claim 27, wherein the processing section is adapted to convert the electrical image signals generated by the photographing section into only the first color image data in the form of the first color data format.--

REMARKS

In the Office Action, the Examiner objected to claim 27. The Examiner rejected claims 21–23 and 26–27 under 35 U.S.C. § 103(a) as unpatentable over U.S. Patent 5,631,701 ("*Miyake*") in view of U.S. Patent 6,111,605 ("*Suzuki*"). The Examiner also rejected claims 24 and 25 under 35 U.S.C. § 103(a) as unpatentable over *Miyake* in view of *Suzuki* and in further view of U.S. Patent 6,085,112 ("*Kleinschmidt*").

Supplemental Preliminary Amendment

Applicant notes that on February 19, 2003, after the mailing date but before Applicant's receipt of Paper No. 13, Applicant submitted a Supplemental Preliminary Amendment. Applicant requests that the Examiner disregard that Supplemental Preliminary Amendment because a complete response to Paper No. 13 is provided by the present Amendment.

Amendment

By this Amendment, Applicant amends claims 21–23 and 27 to more particularly claim Applicant's invention. Amendments are indicated in the attached Appendix with

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deletions indicated by square brackets and insertions indicated by underlining. No new matter has been added.

Objection to claim 27

In Paper No. 13, the Examiner objected to claim 27, stating, "The claim language implies that the processing section 'processes the first color display section'." Applicant has amended claim 27 to recite, "the processing section processes the first color image data in the removable memory so that the color display section displays a color image corresponding to the first color image data." Applicant believes this addresses the Examiner's concern and respectfully requests withdrawal of the objection.

Rejection of claims

The Examiner rejected claims 21–23 and 26–27 under § 103(a) as unpatentable over *Miyake* in view of *Suzuki*. Because the Examiner has failed to make a *prima facie* case of obviousness, Applicant respectfully traverses the rejection of these claims.

To establish a *prima facie* case of obviousness under §103(a), each of three requirements must be met. First, there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to combine references or modify a reference. (See MPEP § 2143.) Second, a reasonable expectation of success must exist that the proposed modification will work for the intended purpose. (See *id.*) Moreover, both of these requirements must "be found in the prior art, not in applicant's disclosure." (*Id.*) Third, the reference or references, taken alone or in combination, must disclose or suggest every element recited in the claims. (See MPEP §2143.03.)

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Claim 27 recites, *inter alia*, "a processing section to process the electrical image signals so as to output first color image data in the form of a first color data format to record color data . . . of the photographed color image." That is, first color data format is prepared so as to record color data of the color image photographed by the portable camera's photographing section.

Claim 27 also recites, "the portable camera is adapted to receive second color image data in the form of a second color data format different from the first color data format through the terminal from an external device to generate the second color data format or by accommodating in the memory section a removable memory storing the second color image data generated by the external device." The portable camera of the present invention is adapted to receive the second color image data through a terminal from an external device to generate the second color data format or a removable memory accommodated in the memory section storing the second color image data generated by the external device. (See, e.g., specification at page 12, lines 9-23 and page 16, lines 4-8.)

Accordingly, the relationship between the first color image data and the second color image data relates to the color data format used to record color data and not merely to the relationship between compressed and uncompressed image data. For example, as discussed in the specification from page 15, line 23 to page 16, line 16, the first color data format image is YCbCr 4:2:0 and the second color data format is YCbCr 4:2:2. (See, e.g., specification at pages 2 and 3 and Figures 2 (b) and 2(c) (regarding the differences in the color data format).)

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The portable camera of the present invention, therefore, is adapted to display the second color image data having the different color data format in addition to the first color image data having the color data format to record color data of a photographed color image.

Miyake, by contrast, discloses an image data transfer system with an electronic still camera. The camera 10 includes a compander 122, which is merely used to compress or expand image data. (*Miyake*, col. 4, lines 44–46 and 52–61; Figure 1.) Since compander 122 is used to merely compress or expand the image data, it does not function to process two different color data formats so as to display them on the color display section. And as acknowledged by the Examiner, *Miyake* can only display uncompressed data. (Paper No. 13, at 4.)

In *Miyake*, the camera 10 also includes a Y/C processor 114, which converts RGB image signals to YC image data (*id.*, col. 3, lines 61–65). Therefore, Y/C processor 114 of *Miyake* has a function merely to output first color image data in the first color data format in order to record color data of a photographed color image. As can be seen from the direction of the arrow marked on data bus between Y/C processor 114 and communication I/F 124, Y/C processor 114 is not adapted to receive image data from an external device from the communication I/F 124. (*Id.*, Fig. 1.) Accordingly, Y/C processor 114 does not process second color data in a different color format.

In addition, claim 27 recites, *inter alia*, “the processing section processes the second color image data in such a way that the color display section displays a color image corresponding to the second color image data generated by the external device.” *Miyake* does not disclose or suggest a color image corresponding to compressed data

and a color image corresponding to uncompressed data. As acknowledged by the Examiner, *Miyake* must "decompress[] the image data from the memory card for subsequent display." (Paper No. 13, at 4.) That is, both images will correspond to uncompressed data (under the Examiner's interpretation a first color data format) but no image will correspond to compressed data (under the Examiner's interpretation a second color data format).

Claim 27 further recites, "*the portable camera is adapted to receive second color image data in the form of a second color data format different from the first color data format through the terminal from an external device to generate the second color data format or by accommodating in the memory section a removable memory storing the second color image data generated by the external device.*" This is nowhere disclosed or suggested in *Miyake*, which is merely capable of compressing and decompressing a single set of image data.

Suzuki does not compensate for these deficiencies of *Miyake*. *Suzuki* discloses a digital still video camera that stores picture information (e.g., printer resolution, form size, and form direction). (*Suzuki*, col. 12, lines 14–25.) The camera also stores image data, which corresponds to an image. (*Id.*, col. 10, lines 36–47.) However, there is no disclosure or suggestion of the above noted deficiencies of *Miyake*, including, among other things, a "processing section processes the second color image data in such a way that the color display section displays a color image corresponding to the second color image data generated by the external device," or "*the portable camera is adapted to receive second color image data in the form of a second color data format different from the first color data format through the terminal from an external device to generate*

the second color data format or by accommodating in the memory section a removable memory *storing the second color image data generated by the external device,*" as recited in claim 27.

Absent a disclosure or suggestion of each claim element in the combination of elements recited in claim 27, the combination of *Miyake* and *Suzuki* cannot render claim 27 obvious. Withdrawal of the rejection of claim 27 is respectfully requested. Withdrawal of the rejection of claims 21–23 and 26 is similarly requested at least because of their dependence from claim 27.

The Examiner also rejected claims 24 and 25 under § 103(a) as unpatentable over *Miyake* in view of *Suzuki* and in further view of *Kleinschmidt*.

Because *Kleinschmidt* does not compensate for the deficiencies of *Miyake* and *Suzuki*, any combination of *Kleinschmidt* with *Miyake* and *Suzuki* cannot render the subject matter of claim 27 obvious. Thus, claims 24 and 25 are also allowable at least because of their dependence from claim 27.

Applicant also submits that new claim 28 is allowable at least because of its dependence from allowable claim 27.

In view of the foregoing amendments and remarks, Applicant respectfully requests the reconsideration of this application and the timely allowance of the pending claims.

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Please grant any extensions of time required to enter this response and charge any additional required fees to our deposit account 06-0916.

Respectfully submitted,

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APPENDIX

21. (Twice Amended) The portable camera of claim 27, wherein the first color image data and the second color image data are digital image data including a data set of luminance data and color [difference data] component data and the first color image data and the second color image data are different in data configuration of the color component data.

22. (Twice Amended) The portable camera of claim [27] 21, wherein the color component data are represented by color difference data and the first color image data and the second color image data are different in data configuration of the color difference data.

23. (Twice Amended) The portable camera of claim [27] 22, wherein the first color image data and the second color image data are different in number of pixels of the color difference data.

27. (Amended) A portable camera being carried by an operator, comprising:
a photographing section to photograph an object and to convert photoelectrically a photographed color image of the object into electrical image signals;
a processing section to process the electrical image signals so as to output first color image data in the form of a first color data format to record color data of the photographed color image;
a memory section in which a removable memory is accommodated, wherein the processing section records the photographed color image by storing the first color image data in the removable memory accommodated in the memory section;

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a color display section to display a color image, wherein the processing section processes the first color image data in the removable memory so that the [first] color display section displays a color image corresponding to the first color image data;

a terminal to transmit image data to an external device and to receive image data from an external device;

wherein the portable camera is adapted to receive second color image data in the form of a second color data format different from the first color data format through the terminal from an external device to generate the second color data format or by accommodating in the memory section a removable memory storing the second color image data generated by the external device; and

wherein the processing section processes the second color image data in such a way that the color display section displays a color image corresponding to the second color image data generated by the external device.

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